18
Dr.STONE
STORY BY RIICHIRO INAGAKI
ART BY BOICHI

# Dr.STONE



STORY **RIICHIRO INAGAKI**
ART **BOICHI**

**18**

**SCIENCE IS ELEGANT**

Dr.STONE

## STORY

Every human on earth is turned to stone by a mysterious phenomenon, including high school student Taiju. Nearly 3,700 years later, Taiju awakens and finds his friend Senku, who revived a bit earlier. Together, they vow to restore civilization, but Tsukasa, once considered the strongest high schooler alive, nearly kills Senku in order to put a stop to his scientific plans.

After being secretly revived by his friends, Senku arrives at Ishigami Village. But when word of Senku's survival gets back to Tsukasa, the war between the two forces begins! Eventually, the two factions make peace, but the traitorous Hyoga skewers Tsukasa. Senku cryogenically freezes Tsukasa's body. After acquiring the petrification device on Treasure Island, Senku revives Tsukasa.

The first step of the moon-landing plan involves massive amounts of corn in order to create more revival fluid. The Kingdom of Science heads toward what used to be the U.S.A. in search of corn, but Dr. Xeno has already built his own advanced science kingdom there! After Gen is caught infiltrating their stronghold, he fibs and tells the enemy that Taiju is the leader!




# CHARACTERS




**KOHAKU** — An experienced, agile warrior who's as strong as any man. She's quite possibly the strongest person in the village.

**CHROME** — A clever and honest guy with more curiosity than he knows what to do with. Now that Senku's opened his eyes to science, he's ready to go as far as that path takes him.


**SENKU** — A young man with prodigious knowledge and a passion for science. He's now leading his Kingdom of Science. His catchphrase is "Get excited!"

# CONTENTS



# 18

# SCIENCE IS ELEGANT


Z=152: Doctor vs. Doctor


WHAT IN THE WORLD...
...IS THAT EXTREMELY TALL TOWER?
SOMETHING BAAAD.
THEY MUST'VE MADE IT WITH SCIENCE.
WE GOTTA LEARN WHATEVER WE CAN ABOUT THIS ENEMY AND REPORT BACK TO SENKU!
BUT WHERE'S GEN?
DO YOU THINK HE MANAGED TO INFILTRATE...?
HAH! THAT SMOOTH TALKER...
...WOULD FIND JUST THE RIGHT WORDS TO KEEP HIMSELF ALIVE.
BLAH BLAH
HE'S THE WORLD'S MOST TRUSTWORTHY LIAR.
WAIT! IS HE TRUSTWORTHY? A LIAR? YOU CAN'T JUST SMASH WORDS TOGETHER LIKE THAT!


PERSEUS, COME IN!
THERE'S BEEN A CHANGE OF PLANS.
GOT IT! NOT ANOTHER WORD!
RIGHT, SINCE WE'RE USING RADIO WAVES...
...THE ENEMY SCIENTIST COULD BE INTERCEPTING OUR SIGNAL.
?!


THEY DID SEEM STRANGELY AWARE OF WHAT WE WERE UP TO.
HMPH. THEN IT'S SAFE TO ASSUME THAT THIS ENEMY KNOWS JAPANESE.
RESPOND AS BRIEFLY AS POSSIBLE.
WHAT'S THE SITUATION?
WHO IS THERE?
...
IT'S ME PLUS KOHA— ER, THE WOMAN.
JUST US TWO!
SO EITHER GEN WAS ABDUCTED...
...OR HE INFILTRATED BY PRETENDING TO BETRAY US.
MY CAPTAIN'S INSTINCTS ARE TELLING ME IT'S OPTION B!
HEH HEH HEH... DON'T NEED STINKIN' INSTINCTS TO KNOW IT'S TEN BILLION PERCENT OPTION B.
KLIK!
YOU HUNG UP?!
LEAVE IT ON FOR TOO LONG, AND THEY COULD PINPOINT THE SIGNAL'S ORIGIN.
RIGHT... WE DON'T KNOW HOW ADVANCED THE ENEMY'S TECH REALLY IS...



IN MOST BATTLES WE'VE FACED SO FAR...
...SCIENCE HAS GIVEN US THE LEG UP.
BUT THIS TIME...
...THE ENEMY MIGHT HAVE US BEAT IN THAT DEPARTMENT.
HEH HEH HEH... A SCIENCE-USER THROWDOWN?!
NOW THAT'S A REASON...
...TO GET EXCITED!!
RRING
RRING
WHAT'S THE BIG IDEA, CHROME, YOU GOOF?! YOU AIN'T S'POSED TO CALL RIGHT BACK—


GREETINGS.
I TAKE IT THIS IS YOUR PREFERRED FREQUENCY FOR COMMUNICATION?



MWA HA HA! SO YOU'RE THE BIG BAD GUY. YOU GOT GUTS...
SHH!
SHH!
BADUM
BADUM
THE ENEMY...
...IS MAKING CONTACT!
I APOLOGIZE FOR MY POOR JAPANESE-LANGUAGE SKILLS, BUT ALAS, AS THIS IS A CONVERSATION UNFIT FOR TROGLODYTES...
...I MUST ASK TO SPEAK TO YOUR SCIENCE TEAM LEADER.


PUT ON DR. TAIJU FOR ME.
DOCTOR TAIJU...?
???


AHHH, I GET IT...
THIS IS GEN'S DOING!
HMPH! HE WENT AND PROTECTED OUR ACTUAL SCIENCE-USER...
...BY PROPPING UP OUR TOUGHEST TOUGH GUY AS THE LEADER.
SAY WHAAAT?!
GUESS I'M TAGGING IN FOR SENKU!
BAM
I'M SORRY, BUT IS THE COSTUME NECESSARY? THIS IS A PHONE CALL.
GOTTA KEEP UP APPEARANCES!
TAIJU, HERE! THAT'S DR. TAIJU, TO YOU!
SO YOU'RE DR. XENO, HUH?
PAY ATTENTION CUZ I'VE GOT SOMETHING TO SAY TO YOU!


SHOOTING PEOPLE WITH MACHINE GUNS WITHOUT WARNING...
...ISN'T NICE!!
WELL, DUH...
MY APOLOGIES. MY SOLDIER, STANLEY, THOUGHT THE BEST GREETING...
...WOULD BE A DEMONSTRATION OF THE CHASM THAT LIES BETWEEN OUR RESPECTIVE LEVELS OF SCIENCE.
NOW, DR. TAIJU...
AS A FELLOW SCIENCE PRO YOURSELF ...
...YOU MUST SURELY REALIZE...


...WE...
...ALREADY POSSESS A HABER-BOSCH PLANT.
WHA-?!
A HABER... THINGY!
THAT'S AWESOME, DR. XENO!!
DON'T TALK MORE THAN YOU NEED TO, YOU BIG OAF...
...OR THE CRACKS'LL START SHOWING!
WHAT IS HE TALKING ABOUT?
A FACTORY THAT MAKES AMMONIA.
IN SHORT...


WITH JUST WATER AND AIR...
...THEY CAN PRODUCE...
...UNLIMITED GUNPOWDER AND AMMUNITION!!
START
Coal
Air
Iron
Water
Charcoal
Sulfur
Ammonia
GOAL
Miracle Fluid
Nitric Acid
Platinum
Shells
Sodium Hydroxide
Ammo
SO THAT ALLOWS YOU TO FIRE THOSE MACHINE GUNS ALL DAY LONG!
IS THAT WHAT YOU'RE TRYING TO SAY?!
THEN YOU GET THE GIST, DR. TAIJU.
HE'S ACTING LIKE HE ALREADY KNEW THAT STUFF!
WHO KNEW TAIJU WAS SUCH A PERFORMER?
MORE LIKE UP FRONT AND DIRECT.


WE ARE A COLLECTIVE OF PROFESSIONAL ADULTS.
IT'S NOTHING LIKE YOUR RAGTAG BAND OF MERRY YOUTHS PLAYING WITH SCIENCE.
NOW, I HOPE YOU'LL SURRENDER AT ONCE AND SERVE ME.
NOTHING MORE, NOTHING LESS.
YOU SEE, OUR POPULATION IS LACKING.
WHAT'S HE MEAN? THEY DON'T HAVE ENOUGH PEOPLE?
WHY NOT JUST WAKE UP THE STONE STATUES LYING AROUND EVERYWHERE?
HA HA! THIS TELLS US...
...THEY DON'T KNOW ABOUT REVIVAL FLUID! AM I WRONG?!
HEH HEH HEH... BECAUSE REVIVAL FLUID AS A CONCEPT...
...DIDN'T EXIST AS SCIENTIFIC KNOWLEDGE IN THE PAST.
ONLY THOSE WHO MAINTAINED CONSCIOUSNESS WHILE PETRIFIED FOR THOUSANDS OF YEARS...
...CAN BE REVIVED WITH A DASH OF NITRIC ACID.
MY PEOPLE ARE THE SELECT FEW WHO ACHIEVED THAT.


BUT YOU ARE SEVERAL DOZEN.
AND I CAN SCARCELY BELIEVE ALL THOSE YOUTHS...
...ARE MENTAL CHAMPIONS OF THE HIGHEST ORDER.
TELL ME THEN, HOW DID YOU REVIVE THE STATUES?
WELL, WE...
THE REVIVAL FLUID IS OUR SOLE ADVANTAGE! WE CAN'T LET THEM HAVE IT!
THESE PEOPLE SHOT FIRST AND ASKED QUESTIONS LATER.
IF THEY LEARN THE FORMULA, THEY'LL CREATE AN ARMY JUST TO DESTROY US.
YEP. THEY'D ALREADY BE...
...MAKING BUCKETS OF THE STUFF IF THEY KNEW THE RIGHT RECIPE.


THE FACTORY...
...YIELDS NITRIC ACID.
AND THE CORN-FIELDS...
...YIELD ALCOHOL.
BUT IF WE NAB IT ALL FOR OURSELVES...
WE'LL HAVE CORN CITY UP AND RUNNING AND IN OUR HANDS!
...WITH ENOUGH REVIVAL FLUID FOR BILLIONS!
GET IT?!
...
YOU'RE NEVER GETTING THE REVIVAL FLUID! REQUEST DENIED, MISTER!!



VRRRM
VERY WELL. NEGOTIATIONS HAVE BROKEN DOWN THEN.
WHAT A SHAME
KLK
VRRRRM
OOH, THAT'S ONE WHOPPER OF A FLAGSHIP.
THEY'VE...
...LOCATED THE PERSEUS...
THESE SCUMBAGS HAD ANOTHER PLANE ON HAND?!
WHY DID WE ASSUME THERE WAS ONLY ONE?


THIS TIME, IT'S JUST SCOUTING.
THEY WON'T TRY ANOTHER RISKY...
...LOW-ALTITUDE MANEUVER ALONG THE RIVER.
BUT NOW OUR SPEARS AND ARROWS WON'T REACH IT!
HOW CAN WE FIGHT AN AIRPLANE?
TELL US, SENKU!
IT JUST SO HAPPENS WE'VE GOT A PLANE OF OUR OWN.
YEAHHHH!
OHO HO! I'LL FIX THIS UP IN A JIFFY!
A MACHINE LIKE THIS GETS ME ALL FIRED UP!
BUT HOW CAN OUR PLANE TAKE OFF?
UNLIKE THE ENEMY, WE DON'T HAVE AN AIRSTRIP...
THEN WE JUST GOTTA MAKE ONE.
WHERE?
HERE.


IT'S AIRCRAFT CARRIER TIME!!
THE PERSEUS IS GETTING A TOTAL MAKEOVER!!
F-FOR A DOGFIGHT?


IF SENKU WERE AN IDIOT...
THE REVIVAL FLUID, HUH?
YOU'LL NEVER EVER GET ME TO REVEAL THAT IT'S ACTUALLY NITAL MADE BY MIXING THREE PARTS NITRIC ACID WITH SEVEN PARTS ALCOHOL! NEVER!!
GOOD TO KNOW!




# Z=153: War Game


C'MON, EVERYONE!
LET'S EVALUATE THE STATE OF THIS WAR, OKAY?!
HERE WE GO—IT'S PRETTIFIED MAGMA AGAIN.
BUT THE WAY YOU'RE TALKING'S ALMOST TOO POLITE. IT'S FREAKING ME OUT.
SHUT YOUR FREAKIN' TRAP OR I'LL KILL YOU DEAD.
YOU SHOWED YOUR TRUE COLORS IN FIVE SECONDS FLAT! TRY COMMITTING TO THE ACT A LITTLE LONGER!
NO WAY, CUZ I'M OUT TO KILL THAT PIECE OF CRAP THEY CALL DR. XENO!


WE CAME HERE FOR CORN, RIGHT?
AND DR. XENO'S THE GUY WITH ALL THE CORN.
SO THE QUICKEST SOLUTION IS TO KILL THE GUY! DUH!!
IS "KILL" YOUR FAVORITE WORD?!
WE'RE HOPING TO MAKE USE OF THAT GUN ON YOUR HIP, YO!
THE THREE OF US CAN TAKE CARE OF THE PROBLEM REAL QUICK...
AND THIS IS NO RECKLESS RAMPAGE! IT'S A WELL-THOUGHT-OUT STRATEGY!
EVERYONE'S SURE TO THANK US IN THE END!
WHAT KINDA NUMBSKULLS THINK THEY CAN FACE A MACHINE GUN HEAD-ON?!
YEAH, WELL, WE GOT A GUN OF OUR OWN!
TOO BAD THEIRS HAS ABOUT TEN BILLION TIMES MORE FIREPOWER.
IT'D BE ANOTHER STORY IF THIS ENEMY WAS WILLING TO WAIT AROUND WHILE WE BUILT OUR OWN GUNPOWDER FACTORY...


RIGHT.
LET'S EVALUATE THE STATE OF THIS WAR.
THE EXACT SAME LINE...
...BUT SO MUCH MORE INSPIRING...
OOH! THIS REMINDS ME OF SOME KINDA BOARD GAME!
IS THIS FOR WAR PLANNING?
IT MAKES OUR POSITIONS ABUNDANTLY CLEAR!
DO WE EVEN KNOW WHERE THE ENEMY BASE IS?
WE CAN GUESS THE DIRECTION THANKS TO CHROME'S CALL EARLIER...
...AND GET A ROUGH SENSE OF DISTANCE BASED ON THE TIMING.
Xeno
Gen
Kohaku
Chrome


B-BUT THEY MUST KNOW WHERE WE ARE TOO, RIGHT?
MAYBE WE OUGHTA TAKE THE *PERSEUS* AND SCRAM...
THE ENEMY HAS A SPY PLANE, SO THAT WOULD BE POINTLESS.
IN FACT, SAILING AWAY WOULD CUT US OFF FROM LAND-BASED ESCAPE ROUTES.
YUP. EXACTLY WHAT I WAS THINKING.
HYOGA.
IF YOU WERE DR. XENO...
...HOW WOULD YOU APPROACH THIS?
I'D BUILD A PIRATE VESSEL.
ASSUMING THIS ENEMY IS CAPABLE, THAT IS...
GIVEN THEIR CLEAR FIREARM ADVANTAGE...
...THEY SHOULD USE A SMALL, QUICK CRAFT TO BOARD US...
...AND TAKE CONTROL, JUST LIKE THAT.
OUR MUCH LARGER VESSEL IS A SITTING DUCK.


IN MODERN TIMES...
...THAT'S HOW REAL PIRATES OPERATED.
OR, THEY'LL USE THE SPY PLANE...
...TO LEARN THE *PERSEUS'S* EXACT LOCATION...
...AND WIPE US OUT FROM THE AIR.
RATATAT
TATATATAT
WE MAY BE FORMIDABLE IN CLOSE COMBAT, BUT...
...WE'RE EARTH-BOUND.
GIVEN THEIR ONE-SIDED SUPREMACY OVER THE SKIES...
...WE WOULDN'T STAND A CHANCE.
HA HA! EXACTLY! IF THEY COME AT US FROM ABOVE, THEN SO BE IT!
A DOGFIGHT!
AIRCRAFT VERSUS AIRCRAFT!


WHAK
WHAK
WE'RE TURNING THE PERSEUS INTO AN AIRCRAFT CARRIER!
ALL HANDS ON DECK FOR THIS QUICK CONSTRUCTION PROJECT!!


WOW.
WE'RE REALLY BUILDING A RUNWAY ON THE DECK?
WILL IT ACTUALLY ALLOW US TO FLY?!
HMPH. AN ULTRA-LIGHT AIRPLANE...
...ONLY NEEDS 20 METERS TO TAKE OFF.
GLINT GLINT
AND FOR LANDINGS, WE'LL USE WIRES TO STOP THE PLANE BY FORCE!
JUST LIKE ON REAL AIRCRAFT CARRIERS.
GOOD ENOUGH! WHO D'YOU THINK'S PILOTING THIS THING, HUH?
THE PLANE ITSELF JUST NEEDS A LITTLE REMODELING! WAY QUICKER THAN STARTING FROM SCRATCH!
WEE WEE
BOYS! THE LOOK IN YOUR EYES SHOWED YOUR TRUE COLORS IN FIVE SECONDS FLAT!
YOU JUST REALLY WANT TO BUILD AN AIRCRAFT CARRIER, RIGHT? ADMIT IT!
IF OUR PLANE'S GONNA USE AN ON-DECK RUNWAY...
...THEN FIRST, WE GOTTA SWAP IN SOME WHEELS MADE WITH GOOD OL' BAMBOO WEAVING!
FWP FWP FWP FWP
WE HAULED THAT BAMBOO ALL THE WAY FROM JAPAN?
SURE DID. BAMBOO'S SO HANDY IT'S LIKE CHEATING...
...AND IT REPRESENTS A HUGE ADVANTAGE WE'VE GOT OVER THOSE JERKS.
RIGHT! BAMBOO ISN'T NATIVE TO THE U.S.!
HMPH! INSTEAD OF WHEELS, THEIR PLANE USES...
...THESE GLASS SKIS.
They either have no rubber or not enough of it.
...
USING SKIS MEANS THEY HAVE OTHER LANDING OPTIONS...
...IF THE CORNFIELDS AREN'T AVAILABLE FOR WHATEVER REASON.
HEH HEH HEH... IT'S ONLY LOGICAL.


WHEN HE LACKED THE RIGHT MATERIALS...
...HE JUST INVENTED A WHOLE NEW DESIGN, HUH?
HA HA! THIS ENEMY'S SHARP, I'LL GIVE 'IM THAT.
DOCTOR...
...XENO!
...
SOME-THING WRONG, RYUSUI?
NO, JUST...
IF DR. XENO'S SUCH A SHARP TACTICIAN...
MAYBE HE WANTS US GLUED TO THIS SPOT.
AS A PILOT MYSELF, I COULD TELL...
...FROM THE WAY THAT SPY PLANE WAS FLYING...
IT WAS ALL A BIG SHOW FOR US.
A WAY TO SAY, "YOU'VE GOT NOWHERE TO RUN."
MY CAPTAIN'S INSTINCTS ARE NEVER WRONG.


TOMP TOMP
MNCH MNCH
ARE WE GONNA HUNT 'EM DOWN WITH THE PLANE...
...AND BEAT 'EM INTO SUBMISSION? THAT IT?
NO, THEY CANNOT ESCAPE.
HENCE THE REASON WHY WE DEPLOYED THE SPY PLANE—TO DISCOURAGE THEM.
THESE POOR YOUTHS ARE TOO CLEVER FOR THEIR OWN GOOD.
THEY'LL BE WARY OF SUCH TACTICS AND STAY ROOTED TO THE SPOT!
BUT NO—I HAVE A SOLUTION IN MIND THAT'S A BIT MORE ELEGANT.


KEEP THEM PINNED DOWN...
...AND ASSASSINATE THE ENEMY SCIENTIST.
!!
ACCORDING TO OUR NEW FRIEND, MR. GEN, THERE'S ONLY A SINGLE SUPERHUMAN SCIENCE PRO AMONG THEM.
AS SUCH, TO BRING THIS KIDDIE KINGDOM OF SCIENCE CRUMBLING DOWN...
...WE NEED TO ONLY ELIMINATE THEIR LEADER.


DOCTOR ...
...TAIJU!!
GREAT IDEA. RILLIANT-BAY. TRULY.
B-B-BUT CAN YOU PULL IT OFF?!
CHK
I CAN.


...
I. CAN.
HOW, EXACTLY?!



MR. GEN!
WHEN STAN CLAIMS HE CAN GET THE JOB DONE, THERE'S NO NEED TO QUESTION IT!
BECAUSE HE CAN.
WE COULD GIVE UP ON THE CORN...
...ABANDON GEN, CHROME AND KOHAKU...
...AND SAIL OUT TO SEA. THAT WOULD SAVE US.
I'M...
...DEAR TAIJU.
... TERRIBLY ORRY-SAY...
LIKE WE'D EVER DO THAT!
OF COURSE NOT. BUT THE ENEMY DOESN'T KNOW THAT.
THAT'S MY POINT.
SO WE CAN EXPECT THEM TO ATTACK WITHOUT DELAY.


HEH HEH HEH... WHERE ARE OUR MANNERS?
LET'S NOT MAKE OUR HOSTS DO ALL THE WORK...
...WHEN WE CAN TAKE THE FIGHT TO THEM INSTEAD.
E=mc²
A SMALL ELITE UNIT, IN THAT CASE.
SINCE DR. XENO IS THE SOURCE OF THEIR SCIENCE...
...THEN OUR GOAL IS TO CAPTURE HIM!!
THIS UNIT WILL INCLUDE...
TSUKASA.
HYOGA.
UKYO.
SUIKA.
!!!


NEITHER SIDE CAN MOVE ITS BASE OF OPERA-TIONS.
NEITHER SIDE CAN FLEE.
IT'S A SCIENCE SIEGE THAT COULD TURN INTO A...
FOR ONE SIDE TO WIN...
...IT'S GOTTA PUT THE OTHER'S LEADER IN CHECKMATE.
...KINGDOM OF SCIENCE VERSUS KINGDOM OF SCIENCE BATTLE!
TMP TMP TMP
THIS FIGHT'LL BE DETERMINED WITH A BREAKNECK ATTACK!
TMP TMP TMP TMP


MECHA SENKU Q&A
SEARCH
Question Corner
Mantle was on the ship all along! Who's actually left back in Japan?
Y.W. of Osaka
SEARCH
Jasper
Turquoise
Mirai
Sagara
Ruri
Kokuyo
The Three Sparkly Sisters
Garnet
Sapphire
Ruby
Chalk
These are the characters who stayed behind in Japan! There are plenty of other kingdom members besides just them, of course!
However, don't go thinking that they're twiddling their thumbs. Apparently, they're working on a project that Senku told them to do.


Z=154: Spy vs. Spy
WE'LL FIND THE ENEMY SCIENCE LEADER...
...AND CAPTURE HIM!!
...AND ASSASSINATE HIM!!
IF ONLY I COULD WARN YOU OF THAT ASTY-NAY ASSASSIN WHO'S OUT FOR YOUR HEAD...
ORRY-SAY, DEAR DR. TAIJU.
WHOOOSH


THE RADIO ISN'T AN OPTION SINCE THEY'LL BE EAVES-DROPPING.
REGARDLESS, THIS GUARD'S WATCHING MY EVERY MOVE! I CAN'T GET WORD OUT!
NOMNOMNOM
THIS IS UNDENIABLY ERRIBLE-TAY...
SO, CAN WE TRUST...
...THIS GEN GUY?
TRUST?
ANYONE WHO TRUSTS AN ENEMY WHO JUST DOUBLE-CROSSED HIS OWN PEOPLE...
...NEEDS AN APPOINTMENT WITH A HEAD DOCTOR.
WE'LL PUMP HIM FOR INTEL BUT KEEP HIM AT ARM'S LENGTH OTHERWISE.
ODDS ARE HE'S A SPY.
...


R-RIGHT, SURE. I MEAN, DUH.
OBVI-OUSLY! I REALIZED THAT TOO.
THAT WAS JUST ME TESTING YOU, STANLEY.
I DIDN'T THINK YOU'D GET CARELESS, BUT I HAD TO BE SURE!
GLANCE
SHFL
SHFL
WHAT'S THE HOLDUP, LUNA?
N-NO HOLDUP!
YOU'RE JUST MOVING TOO FAST!
HFF!
HFF!
HFF!
TAKE A LOOK, MISS LUNA!
I'M CARRYING FIVE MORE BOTTLES THAN HIM!
KAHHH! SHAMELESS!!
I KNOW FOR A FACT YOU DIDN'T FILL THOSE BOTTLES UP ALL THE WAY, YOU CHEAT!



CARLOS! MAX!
YOU'RE TOO SLOW! HOW HARD COULD IT BE TO CARRY WATER?
BUT WHY DO WE NEED THIS MUCH WATER?
I WOULD NEVER MOAN AND COMPLAIN ABOUT IT, MISS LUNA!
UNLIKE THIS SNEAKY PLAYBOY OVER HERE!
USELESS, THE TWO OF YOU.
IF YOU WANT A JOB DONE RIGHT, I GUESS YOU JUST HAVE TO DO IT YOURSELF!
I'LL HAVE TO CARRY SOME OF THEM!
AND THAT'S NON-NEGOTIABLE.
NOT A THING, YOU HEAR?
THAT HEAVY STUFF COULD LEAVE MARKS ON YOUR BODY...
...AND YOU'VE GOT A JOB TO DO.
NO WAY, MISS LUNA! I'LL CARRY EVERY LAST ONE IF I HAVE TO.
WHAT, NOW YOU'RE UP FOR THE JOB? WHY DON'T YOU TAKE A NAP WHILE I CARRY THE CARGO?!
YOU'RE NOT CARRYING A THING, LUNA.
FLIK
A JOB...?
KRGZZT
KRGZZT
KRGZZT
KRGZZT


...
STAGNANT AIR.
HMPH. MY CAPTAIN'S INSTINCTS SAY...
...THAT'S A BAD OMEN.
SO THAT'S THE ENEMY SHIP?
KAHHH!
IT'S HUGE!!
W-WOW. THIS OTHER SCIENCE PRO ISN'T HALF BAD.
OF COURSE, HE'S NOTHING COMPARED TO XENO!

DO THESE...
...MEASURE TEMPERATURE AND HUMIDITY?
THEY'RE MADE BY DOC XENO, WHO TENDS TO BE OVERLY HELPFUL.
DESPITE MY INSISTENCE I COULD FIGURE OUT THAT STUFF USING MY SENSES.
WELL, EXTRA DATA'LL ONLY HELP WITH ACCURACY, I GUESS.
AND IS THAT A WEATHER VANE?
KAH KAH KAH! WHY TAKE ALL THESE READINGS? YOU PLAYING WEATHER REPORTER?
IT ALL AFFECTS BULLET VELOCITY.


KAKLAK
CHAK
KLK
KLK
NO WAY...
FROM THIS DISTANCE ...?
I'LL SNIPE...
...THE ENEMY SCIENCE LEADER...
...WITH A RIFLE...
...MADE BY XENO'S SCIENCE.


FWOOOOSH
I GOT A GLIMPSE OF THE AREA VIA SPY PLANE.
THIS IS THE OPTIMAL FIRING POSITION.
WE...
WE'RE GONNA KILL THEM...?



JUST THEIR SCIENCE LEADER.
ISN'T THAT...
...KINDA AWFUL?
JUST KIDDING! JUST MAKING SURE THAT THOSE TWO WIMPS...
...DON'T TRY TO CHICKEN OUT OF THIS! THAT'S PART OF MY JOB!
FAKE
THAT'S OUR MISS LUNA, COOL AS A CUCUMBER!
I'VE GOT GOOSE BUMPS!
!
SO WHAT'S THAT JOB OF MINE YOU MENTIONED BEFORE?
AND WHY'M I WEARING THIS STRIPED OUTFIT...?
I GOTTA SAY, IT'S CUTE AS HECK!
MAYBE THAT'S JUST WHAT STANLEY'S INTO?
Miss Luna is quite charming.
EACH STRIPE IS FIVE INCHES.
YOU'RE MY YARDSTICK.


YOU'RE ABOUT AS YOUNG AS THEY ARE, LUNA...
...SO THEY'RE LESS LIKELY TO SEE YOU AS A THREAT.
BOARD THEIR SHIP...
...AND FIND DR. TAIJU, THEIR SCIENCE LEADER.
BY MATCHING UP WITH MY CROSSHAIRS, I CAN CALCULATE THE DISTANCE TO THE TARGET.
...
...AND GIVE ME A SIGN THAT HE'S THE GUY.
LURE HIM ONTO THE DECK FOR THREE SECONDS ...
THREE SECONDS IS ENOUGH.
ONE SHOT...
...WILL END HIM.


HFF!
HFF!
HFF!
I'M LUNA, THE SMOOTHEST OPERATOR!
LUNA, THE CAPABLE GAL!!
WORMP
WORMP
BADUM
BADUM


SAILING OUT TO SEA COULD'VE SAVED THEM...
...BUT THEY'RE STAYING PUT BECAUSE...
...THEY'RE RELUCTANT TO ABANDON AN ALLY.
LUCKY THESE KIDDIES ARE SO NAIVE.
AND SOFTIES LIKE THAT...
...WON'T IGNORE A GIRL CRYING FOR HELP.
YOU SENT A SPY INTO OUR RANKS? WELL HERE'S...
...OUR COUNTER-OP.
TWO CAN PLAY AT THIS GAME.
<HELP ME, PLEASE!>
I'M DESPERATE TO RUN AWAY...
...FROM THAT HORRID DR. XENO AND HIS KINGDOM!!


HM? SHE'S CUTE.
NOT THE TIME NOR PLACE, MOZ.
TMP
SPLASH SPLASH
HMPH. TOUGH CALL, HERE.
OF COURSE I WANT TO HELP HER, BUT...
...WE CAN'T TAKE HER AT FACE VALUE.


ARE YOU HURT, MISS?
HAVE NO FEAR, YOU'RE SAFE NOW!
E=mC²
PLEASE, COME ONTO OUR SHIP.


REALLY, SENKU...?
TURNING ON THE CHARM, HUH?
LET'S GET YOU SOME FIRST AID BELOW DECK!
...
TH...
THANKS ...
WHOOSH
WHOOSH


WE ONLY HAVE A GENERAL IDEA...
...OF WHERE CHROME, KOHAKU AND GEN WENT.
RIGHT, WE NEED INTEL...
CAPTURING THEIR SCIENCE LEADER WILL ALLOW US...
...TO SEIZE THE INITIATIVE.
YES... ANY INFORMATION ABOUT THE ENEMY WOULD BE HELPFUL AT THIS POINT...
WE'RE REALLY LETTING SOME SUSPICIOUS GIRL BOARD THE SHIP?
WHO CARES? SHE'S CUTE.
SENKU'S A MAN, IF YOU KNOW WHAT I MEAN!
AND MAYBE DOE-EYED BLONDES PUSH ALL THE RIGHT BUTTONS FOR HIM!
NAW, THIS ISN'T WHAT IT SEEMS...


HEH HEH HEH... WE'LL EXTRACT ALL THE INFO WE CAN OUTTA THIS GIRL...
...AND SEND A CODED MESSAGE TO TSUKASA AND THE SPECIAL FORCES.
IT'S SPY VERSUS SPY!
E=mc2
BLACK-HEARTED SCHEMERS, TRYING TO OUTFOX EACH OTHER!
I TOLDJA IT WASN'T WHAT IT SEEMED!!


IF SENKU WERE AN IDIOT...
<HELP ME!>
"HERUPU MII?" I DUNNO ENGLISH. WHAT'S THAT MEAN?
YOU ASKIN' FOR A GOOSING?


YES, INDEED. SNIPING...
...IS THE MOST ELEGANTLY SCIENTIFIC WAY TO DO BATTLE!
WE AVOID A MESSY CONFRONTATION...
...AND ELIMINATE ONLY THE KEY TARGET IN SHORT ORDER.
THEREBY BRINGING AN END TO THE WAR WHILE INCURRING THE FEWEST CASUALTIES.
NOD
Z=155: Science Is Elegant
KUHHH! OF COURSE MISS LUNA SNUCK IN, NO PROBLEM!
THE BAD GUYS ARE PROBABLY HEAD OVER HEELS FOR HER!
KAHHH! CURSE THAT STANLEY FOR EXPOSING MISS LUNA TO DANGER LIKE THIS!
BUT THIS SNIPING PLAN...
I WONDER HOW LONG WE'LL BE HERE...?


I MEAN, RIGHT?
MISS LUNA'S GOTTA BRING THE TARGET OUT ONTO THE DECK, BUT UNTIL THEN...
...WE'RE HERE, WAITING...
HENCE ALL THE WATER BOTTLES?
ALL SO HE CAN SIT HERE FOR HUNDREDS OF HOURS WITHOUT LOSING FOCUS?
AS WE THOUGHT, STANLEY IS AN ABSOLUTE BEAST...
WHICH ONE IS HE?
WHICH ONE IS DR. TAIJU...?
THE JUNIOR SCIENCE GENIUS?
AND THAT'S THE GIST OF IT! WE'RE OUT TO REVIVE ALL OF HUMANITY!
WE WERE HOPING TO HAVE YOUR COOPERATION, OF COURSE.
OBVIOUSLY WE WON'T SURRENDER AND SERVE UNDER YOU, BUT...
...WE'RE ALWAYS OPEN TO A CIVILIZED DISCUSSION!!
CAN THE ENEMY EVEN HEAR WHAT YOU'RE SAYING?
RADIO BROADCAST.
I FIGURE IT'S WORTH PUTTING OUT THERE, AT LEAST.


THOUGH WE DON'T KNOW...
...WHAT SORT OF PERSON DR. XENO REALLY IS.
Z=155: Science Is Elegant


WE'LL EXTRACT INTEL OUTTA XENO AND HIS PEOPLE.
CUZ IN A SCIENCE BATTLE, THE GREATEST WEAPON IS INFORMATION!
JUST AS WE SENT GEN TO INFILTRATE THEIR OPERATION, I'D SAY...
I'm hanging in there!
...THE ODDS ARE FIFTY-FIFTY THAT SHE'S A SPY.
NO, MAKE THAT SEVENTY-THIRTY, ACTUALLY.
HMPH. THIS LUNA GIRL...
HEH HEH HEH... AS LONG AS SHE GIVES US THE INFO WE NEED, WHO CARES?
HA HA! JUST THE SORT OF LOGICAL THINKING WE'VE COME TO EXPECT FROM YOU!
OHO HO! AND THE LOGICAL SENKU PAIRS UP GREAT WITH THE GREEDY RYUSUI!
TOK
TOK
MY MISSION IS...
FWIP


...TO IDENTIFY THEIR SCIENCE LEADER—DR. TAIJU—GET HIM ONTO THE SHIP'S DECK, AND...
UH, THERE SURE ARE A LOT OF THEM!
THIS WON'T BE A WALK IN THE PARK!
RABBL
RABBL
NO, KEEP COOL.
I'M LUNA, THE SMOOTHEST OPERATOR.
LUNA, THE CAPABLE GAL!!
SO, WHO IS DR. TAIJU?
I CAN'T JUST COME OUT AND ASK THEM...
...SINCE THEY'RE STILL WARY OF ME.
I'LL JUST USE MY PROFILING SKILLS...
SHWP SHWP
Whoops. No glasses.
HE USES HIS WISDOM TO LEAD THESE KIDS.
HE BUILT UP THEIR SCIENCE FROM THE STONE WORLD TO THIS POINT.
HE'S GOTTA BE A REALLY INTELLIGENT...
...HARD-WORKING GUY WITH CONVICTIONS TO MATCH.
Whoops. I'm the same age as them.


HE'S TOTALLY... ...MY TYPE!!
SO I JUST GOTTA FIND THE GUY I'M ATTRACTED TO?
EVEN MY FEELINGS ARE A CRITICAL PART OF THIS MISSION.
THAT'S ME— SMOOTH AND CAPABLE!!
THIS ONE?
NO.
ABSOLUTELY NOT.
THERE'S A GOOD CHANCE...
...HE WON'T REVEAL HIMSELF TO AN OUTSIDER LIKE ME.
I'D BETTER BE PREPARED FOR A LONG, DRAWN-OUT BATTLE...
...IF I WANT TO FIND DR. TAIJU!!


HEY, TAIJU.
RIGHT HERE!!
HUHHHHHHHHH?
They need your help...
...hauling some lumber.
BULGE
BULGE
HIM...
HUHHHHHHHHH?
Sure thing! I'll be right there!
HEH... NOT THE SCIENTIST IMAGE I HAD IN MY HEAD...
BUT, WHATEVS!
ANYONE ELSE MIGHT'VE MISSED THAT DR. TAIJU COMPLETELY.
THE TRICKY PART COMES NEXT!
THE GOOD DOCTOR PROBABLY FOCUSES ON SCIENCE STUFF DOWN BELOW DECK.
NOT THE TYPE TO STROLL AROUND OUTSIDE.
SO HOW CAN I LURE HIM ONTO THE DECK SO THAT—


YEAHHH! I'M BACK ON THE DECK, GUYS!!
N-N-NOW ALL I GOTTA DO...
...IS POINT AT DR. TAIJU, AND THAT'S...
...MISSION COMPLETE...
BAM
HELLO, AGAIN. LUNA, WAS IT?
MY NAME IS SENKU.
THIS CHARMING SENKU IS...
...QUITE UNSET-TLING.
HE'S PROBABLY...
...GONNA TAKE HIS TIME TO ASK ABOUT DR. XENO IN SOME ROUNDABOUT WAY!


I NEED INFO ON XENO. TELL ME EVERYTHING YOU KNOW. NOW. QUICKLY.



SENKU!
WHAT? THE INTERROGATION WAS GOING WELL.
FRANCOIS SHOULD BE THE ONE TO MAKE OUR GUEST FEEL WELCOME!
AS WE NEED THE YOUNG LADY TO OPEN HER HEART TO US...
...PLEASE MAKE USE OF BAR FRANCOIS.
THE TRICK TO WINNING SOMEONE OVER IS FULFILLING THEIR DESIRES!
I DO NOT KNOW WHAT MASTER LUNA DESIRES, BUT WE CAN VENTURE A GUESS.
HMPH. HOW ABOUT...
...THE LAST THING THAT ANYONE WOULD SAY THEY HATE...
ICE CREAM!!
YOU GOT DATA TO BACK THAT UP?
SURE, MY RESEARCH AS A DESIRE SPECIALIST!
IT'S TRUE—I CAN'T IMAGINE THERE'S MUCH OF AN ANTI-ICE-CREAM FACTION OUT THERE.
YOU'D GOTTA BE NUTS TO HAVE SOMETHING AGAINST ICE CREAM!


THE INGREDIENTS ARE EXCEEDINGLY SIMPLE.
MILK.
MILK
SUGAR.
AND IN PLACE OF GELATIN...
...WE'LL USE KUDZU POWDER TO ACHIEVE THAT SMOOTH, VELVETY MOUTHFEEL.
VANILLA ESSENCE MAKES THE DIFFICULTY SKYROCKET.
I REMEMBER I HAD A HARD TIME USING IT FOR VALENTINE'S DAY...
SINCE VANILLA BEANS DON'T GROW IN THE U.S., WE GOTTA SYNTHESIZE THE FLAVOR WITH SCIENCE!
WRAP COPPER WIRE AROUND A TEST TUBE...
...STICK A PIECE OF IRON INSIDE...
...HOOK IT UP TO OUR CELL PHONE'S HIGH-VOLTAGE BATTERY...
...AND SWITCH IT ON!!
WHOA, IT'S GLOWING PURPLE!!
YAP
YAP
WHAT ARE THEY UP TO?
HM...?
STINKS LIKE A SWIMMING POOL!!
OR LIKE A PHOTOCOPIER, I'D SAY.



...TO GET THE REBIRTH OF VANILLA ESSENCE!
...AND INFUSE WITH THE OZONE WE JUST MADE...
TAKE BAY LAUREL EXTRACT...
...BOIL IT IN OUR OLD FRIEND SODIUM HYDROXIDE...
THAT'S OZONE YOU'RE SMELLING.
I THOUGHT WE WERE TRYING TO MAKE ICE CREAM?! WANNA GET US BACK ON TRACK?!
FWAHH
SMELLS...
...SWEET!
!!
JUST LIKE THAT?
ADDING SALT TO THE ICE DROPS THE TEMP A FEW DOZEN DEGREES.
WOOOO
STIR WELL AS THE INGREDIENTS CHILL.
KRNCH
THERE'S DR. TAIJU!
I HAVE TO GET NEAR AND POINT HIM OUT...


NOT SO FAST. SINCE YOU'RE HURT, YOU'D BETTER GET SOME REST.
!!!
<TH-THANKS, I'M OKAY!>
SOFT-SERVE ICE CREAM...
...ACQUIRED !!
SENKU - ICE


THAT ELECTRIC STUFF...
HOW'D YOU USE IT...
...TO MAKE VANILLA?!
THERE'S ALWAYS A WORKAROUND FOR WHATEVER WE'RE LACKING.
HUMANS HAVE BEEN PERSEVERING LIKE THAT FOR TWO MILLION YEARS.
GETTING TO THE ROOT OF THE RAW ELEMENTS THAT MAKE UP THIS WORLD OF OURS...
...HELPS US CREATE STUFF WE'VE GOT NO BUSINESS HAVING.
THAT'S THE SWEET SIDE OF ORGANIC CHEMISTRY.



BADUM
NOPE. NUH-UH.
I'M S'POSED TO BE INTO INTELLECTUAL TYPES!
AND DR. TAIJU IS THEIR SCIENCE LEADER, RIGHT?!
J-JOB WELL DONE WITH THIS!
TO BORROW XENO'S FAVORITE WORD...
...IT'S REALLY...
ELEGANT.
LUNA.
IS DR. XENO...
...A FORMER NASA SCIENTIST?
!!
HOW'D YOU KNOW THAT...?
...
WELL? WHO IS HE?


WHEN I...
...STARTED MAKING ROCKETS...
...DR. XENO...


...WAS MY...
...SCIENCE MENTOR.



# BAR FRANCOIS

**MENU**

## Drinks



ORIGINAL COCKTAIL······400$
A unique experience tailored to each valued patron

BEER······300$

FRESH JUICE······300$

TEA······200$

## Food



ICE CREAM······400$

COTTON CANDY······200$

STOLLEN······300$

CHOCOLATE······300$

NUTS······200$


THOSE COMING OFF A WORK SHIFT ARE ENTITLED TO ONE (1) FREE ITEM


E=MC²
Z=156: Two Scientists


SENKU
TEN YEARS OLD
KZZT
KABWOOOOM


FZZL
INTRO TO ROCKET ENGINEERING
OOH, YOU CAN LOOK UP THE SECRETS TO MAKING ROCKETS ON THE COMPUTER!
*BOOK: INTRO TO ROCKET ENGINEERING
YOU UNDERSTAND ENGLISH? THAT'S CRAZY, SENKU!
NAH, NOT QUITE. I'M AT THE <THIS IS A PEN> LEVEL.
<Dis iz...> a what now?
SEE, MOST OF THE ACADEMIC PAPERS ARE IN ENGLISH, SO I GOTTA ATTACK THIS WITH A DICTIONARY IN HAND.
BUT RESEARCHING THESE PAPERS WILL ONLY GET ME SO FAR. IT'LL BE WAY QUICKER TO POOL INTEL...
...FROM LIKE-MINDED PEOPLE OUT THERE—THAT'S WHAT SCIENCE IS ALL ABOUT!!
KLAK
KLAK
KLAK
YOU'RE SENDING A MESSAGE OUT TO THE WORLD ?!
YEAH, JUST CALL ME "SPAM-MAIL SENKU."


NASA
NASA JOHNSON SPACE CENTER
I RECEIVED SOME EMAILS FROM SCHOOLKIDS.
THIS ONE ASKS, "IF SPACE IS BLACK, WHY'S THE SKY BLUE?"
ISN'T THAT ADORABLE? WELL, BE SURE TO ANSWER THE LITTLE TYKE.
THIS ONE COMES FROM A BOY IN JAPAN.
KLK
HIS NAME'S SENKU.
AW, I BET HE WORKED HARD TO WRITE THIS IN ENGLISH.
OH? LET'S SEE IT THEN...


With my rocket research, I started out by doing some mad science-like remodeling on a turbocharger meant for cars, but I keep running into a number of roadblocks since all I have to go on are academic papers. The first big hurdle was about combustion pressure oscillation, but I realized the issue there was a calculation error concerning my homemade 中間周波振動燃焼 (← sorry, I don't know the English words for this). Anyway, I managed to reduce the margin of error down to ±7% with a computer simulation that designed the structure of the injector. It would've taken my home PC about ten billion years to crunch those numbers, so
Check out the attached file for the results. The problem now is that I need heat-resistant material. That's the thing that trips up most amateur rocketeers, and I'm no exception. With this DIY stuff, the difficulty just shoots through the roof since, for example, I don't have the proper material for the cooling section of the nozzle skirt. And since I can't get my hands on the right components, I'm not progressing even 1 mm here. I thought about maybe going with a nickel-based heat-resistant superalloy like the ones used in impellers for thermal power generation, and I even took apart some scrapped components to get that stuff (see attached pic). But unfortunately, the rate of heat exchange turned out to be a total joke
...SO I INSTALLED A VPN ON THE RESEARCH LAB SERVER AT THE UNIVERSITY...
...WHERE MY DAD WORKS AS A PROFESSOR (SO I WOULDN'T GET CAUGHT)...
...AND USED A SUPERCOMPUTER ON CAMPUS TO RUN THOSE CALCULATIONS FOR THE STRUCTURE...
WHAT THIS BOY IS DOING BORDERS ON CRIMINAL ACTS.
HE CAN'T POSSIBLY BE A KID! THIS HAS TO BE A PRANK, RIGHT?
EITHER WAY, WE SHOULDN'T GET INVOLVED. JUST IGNORE IT!





DING
!!
NICE, SENKU!
I'VE REVIEWED YOUR VARIOUS FORMULAS, BUT TO KEEP THIS SHORT, YOU REQUIRE A NIOBIUM-ALLOY NOZZLE.
YOU ACTUALLY GOT A REPLY FROM A PRO AT NASA!
PIPE DOWN!
DR. SENKU, THE SOURCE OF YOUR TROUBLES IS LIKELY DATA ERROR.
I ASSUME YOUR MEASURING EQUIPMENT IS CHEAP?
YOU SHOULD GET YOUR HANDS ON A RESISTANCE THERMOMETER WITH A RHODIUM-PLATINUM ALLOY HEAT SENSOR.
APT-1000
100.000 °C
SCIENCE IS ELEGANT
DR. X...
...NASA



APT-1000
100.000 °C
¥500,000
SOOO, YOU JUST GOTTA BUY THE THERMOMETER IN THIS PICTURE?
THINK THEY SELL IT AT THE 100-YEN SHOP?
LET'S SEE HOW MUCH IT IS...
VRRRM
SENKU!!
AMERICA


??
I NEVER THOUGHT YOU'D BE THE ONE SEEKING ME OUT!
Feeling nostalgic for dear old dad?!
NAW, NOTHING LIKE THAT. JUST HURRY UP AND HAND IT OVER.
THAT MAGIC CARD.
CANDY
ALL ASTRONAUTS TRAINING IN THE U.S. GET ONE...
...TO COVER THE COST OF ANY SCIENCE STUFF THEY WANNA BUY...
THIS DEVILISH CREDIT CARD!
!!
HOW'D YOU KNOW ABOUT THAT?
I MEAN, YOU'RE NOT WRONG, BUT EVEN A GOOGLE SEARCH WOULDN'T BRING ANYTHING UP...
YOINK
WAIT— YOU'RE GOING BACK HOME IMMEDIATELY?!
IT'S LIKE WHEN A PARTICIPANT IN THE TRANS-AM ULTRA QUIZ SHOW FLUNKED THE IN-FLIGHT STAGE!
VRRRRM
GET WITH THE TIMES, POPS!
YOUR REFERENCES ARE SERIOUSLY OUTDATED.
WELL, WHEN'RE YOU GONNA VISIT AGAIN?
ONCE I MAX OUT THE CARD.
DO YOU HAVE NO LOVE FOR YOUR OLD MAN?!
Thermal Camera ¥1,500,000
Phase-Contrast Microscope ¥1,000,000
Xenon Gas ¥600,000
Rhodium-Platinum Resistance Thermometer ¥500,000


DUNNO WHAT ANY OF THESE THINGS ARE, BUT THEY LOOK PRICEY!
EACH ONE IS A MUST-HAVE.
AND I'LL TAKE WHATEVER I CAN GET AT THIS POINT.
THIS MOUNTAIN OF EQUIPMENT...
...AND ONLINE LESSONS FROM DR. X ARE GETTING ME REAL EXCITED!
I'LL RESEARCH, TEST, EXPERIMENT...
...AND CONDUCT MY LAUNCH OFF THE SHOULDERS OF TWO MILLION YEARS OF HUMANITY!
BUT SENKU, YOUR BIG GOAL'S TO MAKE A ROCKET, YEAH?
SHOULDN'T HE JUST BE TEACHING YOU USEFUL SCIENCE TO MAKE THAT HAPPEN?
NASA


HEH HEH HEH... IF WE KNEW WHICH PARTS OF SCIENCE WERE USEFUL, EVERYTHING'D BE A PIECE OF CAKE.
BUT I STILL LACK ALL SORTS OF KNOWLEDGE.
LIKE HOW TO GET RICH QUICK BY SOMEHOW ONLY BETTING ON WINNING HORSES AT THE RACES.
BASICALLY, SCIENCE IS...
SCIENCE IS...
...POWER.
FOR INSTANCE, I TRUST I DON'T HAVE TO EXPLAIN HOW...
...YOUR LITTLE ROCKET AND A BALLISTIC MISSILE ARE FUNDAMENTALLY THE SAME THING, RIGHT?


WITH SCIENCE IN HAND, THE CLEVEREST AMONG US...
...COULD RULE OVER THE IGNORANT MASSES.
IT'S TRULY AN ELEGANT POWER...
...DR. SENKU!
NAW...
I AIN'T INTO THAT KIND OF STUFF.
I'M JUST A DUMMY...
...WHO WANTS TO KNOW...
...EVERY LAST SECRET...
...ABOUT THE WORLD AND THE COSMOS.


ALL OF IT!
EVERY-THING!!
TEN BILLION PERCENT!!
ROCKET PARK
JOHNSON SPACE CENTER
YAP
YAP
WELL, WHAT IF YOU WERE SENT BACK IN TIME...
...TO THE STONE AGE?



I WOULD RE-CREATE WEAPONS OF SCIENCE FROM SCRATCH...
...AND RULE AS A DICTATOR.
TURNING INTO A DESPOT?
THAT'D BE YOUR MOVE?
WHAT IF THERE WERE OTHER SCIENTISTS THERE?
WHATEVER CRAZY SITUATION HUMANITY FINDS ITSELF IN...
...SCIENTISTS ARE TEN BILLION PERCENT SURE TO POP UP.
THERE WILL ALWAYS BE PEOPLE GREEDY ENOUGH TO WANNA KNOW...
...EVERY LAST DETAIL ABOUT HOW THE WORLD WORKS.
JUST LIKE MY SON!!
NASA



IN THAT CASE, I WOULD CONFRONT THESE OTHERS...
...AND, IN THAT PRIMITIVE STONE WORLD...
...WE WOULD LEARN WHOSE SCIENCE IS SUPERIOR!!
SCIENCE IS ELEGANT
SO YOU SEE, BY DOING THIS, YOU CAN KEEP THE CHAMBER INTERIOR UNDER 60 DEGREES CELSIUS...
...AND THUS, ONE COULD LOAD THE "ROCKET"—THAT IS TO SAY...
...A HOMEMADE MISSILE—WITH A BACTERIA, VIRUS OR OTHER BIOLOGICAL WEAPON.
...
IN THE MEANTIME...
...I'D BETTER LEARN EVERYTHING I CAN.
I GUESS SULFA DRUGS...
...WOULD WORK GAINST PNEUMO-COCCUS.
HM? WHERE ARE YOU GOING, SENKU?
AFRICA.
SAY WHAAAT?!


WHAT? YOU'VE EATEN LION BEFORE, SENKU?
YES, WHEN I TRAVELED TO AFRICA TO STUDY EBOLA.
WHAT KINDA HIGH SCHOOLER WERE YOU?!
MY SON SENKU...
...IS ON HIS WAY!!
ONLY CUZ HE MAXED OUT THAT CREDIT CARD. NOT FOR A WHOLESOME REASON OR ANYTHING.
I'M GONNA MEET HIM OUT FRONT.


SEN...
...KU?


TMP
TMP




HEYYY! SENKU!!
...
HM? WHAT'S UP?
NOTHING.
RMMMMMMBL


VRRRRRRRM


MECHA SENKU Q&A
SEARCH
Question Corner
If space is black, why's the sky blue?
Schoolkid from Kanagawa Prefecture
SEARCH
I RECEIVED SOME EMAILS FROM SCHOOLKIDS.
THIS ONE ASKS, "IF SPACE IS BLACK, WHY'S THE SKY BLUE?"
ISN'T THAT ADORABLE? WELL, BE SURE TO ANSWER THE LITTLE TYKE.
Because out of the entire spectrum of visible light coming from the sun, THE BLUE LIGHT SCATTERS MOST WHEN IT HITS THE AIR!
STILL DON'T GET IT? Maybe you know this better as the "Rayleigh scattering" phenomenon!
Dr.STONE


THE NIGHT BEFORE...
...HUMANITY TURNED TO STONE.
Petrified Swallows?!
THE VOLUME OF MENTIONS ON TWITTER AND OTHER SOCIAL MEDIA, BASED ON REGION...
...IS ROUGHLY PROPORTIONAL TO THE POPULATION DISTRIBUTION OF SWALLOWS AROUND THE WORLD.
FROM THIS EVIDENCE, IT'S CLEAR THAT REAL SWALLOWS ARE BEING PETRIFIED.
TMP
TMP
A17
TMP
7-5
Z=157: Same Time, Same Place
QUITE THE CLEVER APPROACH. AN OLD COOT LIKE ME DOESN'T TOUCH THOSE SMART-PHONES, SO IT NEVER WOULD'VE OCCURRED TO ME.
THAT SORTA SCIENCE IS FOR YOU YOUNG FOLKS.
THAT DATA ANALYSIS DIDN'T COME FROM ME. IT WAS UPLOADED BY...


...A HIGH SCHOOLER ...
...IN JAPAN.
Z=157:
Same Time, Same Place
VWOOM VWOOM VWOOM VWOOM VWOOM VWOOM
CENTERS FOR DISEASE CONTROL AND PREVENTION, U.S.A.



ZRRRM
BEEP
THE SWALLOW'S INTERNAL ORGAN STRUCTURE IS SOMEHOW IN THERE. NOBODY COULD SCULPT SUCH A THING. IT'S IMPOSSIBLE.
THE HARDNESS VARIES CONSIDERABLY MOVING FROM THE CORE TO THE OUTER EDGES...
...WITH THE FINER PARTS BEING THE HARDEST.
THIS HYDROPHOBIC MATERIAL REPELS ALL WATER.
WHAT ABOUT THE X-RAY FLUORESCENCE ANALYSIS?
MOSTLY IRON. TRACE AMOUNTS OF GOLD. THE REST IS CARBON AND NITROGEN.
BEEP
WHAT ABOUT UV RAYS?!
SHORTWAVE ELECTROMAGNETIC RADIATION CAUSES NO VISIBLE EMBRITTLEMENT...
ALSO, IT DOESN'T REACT TO ANY CHEMICAL WE THROW AT IT.
JUST A MINISCULE ION DISCHARGE WHEN NITRIC ACID IS APPLIED.
HOW CAN THAT BE?!
BEEP
THE STRUCTURE IS A COMPLETE MYSTERY.
WE'VE NEVER SEEN A MINERAL LIKE THIS! IF YOU CAN EVEN CALL IT A MINERAL...


THIS IS A PHENOMENON ON A GLOBAL SCALE. PERHAPS EVEN UNIVERSAL.
DR. XENO OF NASA, WE HAVE NEED OF YOUR INTELLECT.
DENSE ENOUGH TO SINK IN WATER...
...BUT NOT AS DENSE AS TYPICAL STONE.
COULD IT BE ALL POROUS, LIKE PUMICE?
HEH HEH HEH... TIME FOR AN EXPERIMENT.
WHEN MAKING GASOLINE OUTTA PLASTIC BOTTLE CAPS...
...NORMALLY I'D USE POROUS ZEOLITE, BUT THIS TIME...
...I'LL SWAP IN A WING FROM A SWALLOW STATUE.


LISTEN UP, SENKU!!
BAM!
AFTER FIVE LONG YEARS, I'M FINALLY GONNA CONFESS MY LOVE TO YUZURIHA!!
HM... INTERESTING... VERRRY INTERESTING.
SHINK
AND HERE WE GO—GASOLINE!
NOW I'LL RUN A NUCLEAR MAGNETIC RESONANCE TEST...
...AND BASED ON THE CARBON CHAIN DISTRIBU-TION...
...I CAN GET A READ ON THE DEPTH OF THE PORES AND OTHER PHYSICAL PROPERTIES.
? ? ?
KEEP TESTING!
JAPAN
KEEP RESEARCH-ING!!
AMERICA


OR THAT'S THE STORY ANYHOW.
DOESN'T EXPLAIN WHY OUR ELITE UNIT GOT A LAST-MINUTE INVITE.
SOMETHING SMELLS FISHY. AND WE'RE A LONG WAY FROM THE OCEAN.
TODAY, IN THIS NATIONAL PARK...
...DARPA* IS HOSTING...
...A TECH EXPO.
*DEFENSE ADVANCED RESEARCH PROJECTS AGENCY
VRRM
VRRM
WHOOSH
WHOOSH
IT CONCERNS THIS.
TERRORISM VIA UNKNOWN WEAPON...
...OR AN ATTACK BY A FOREIGN POWER—
KLUNK
BWA HA HA! LOOKS LIKE WE'VE GOT...
...A WHO'S WHO OF AMERICA'S TOP-NOTCH SUPERHEROES. WHAT KIND OF EXPO IS THIS?


USING GLASS WOOL SOAKED IN NITRIC ACID AS A TERMINAL...
...I MEASURED VOLTAGE WITH A POTENTI-OMETER AND...
COOL STORY, XENO—SKIP TO THE POINT, WOULD YA?
DR. XENO, THAT'S STILL CLASSIFIED!
PLEASE, NOT OUT IN THE OPEN LIKE THIS...
GIVE IT A REST.
AFTER TOMORROW'S MEETING OF EXPERTS, THE WORLD IS BOUND TO LEARN OF THIS VIA LEAKS.
FWP
WHAT ...
...IS ALL THAT...?
THE SLIGHTEST ELECTRIC SIGNAL...
...CAUSED BY MENTAL ACTIVITY AND NOTHING MORE.
THESE ARE BRAIN WAVES.
ELEGANT, WOULDN'T YOU SAY?
MOST OF THE SPECIMENS I'VE ANALYZED ARE IN A STATE OF "SLEEP" AS THEIR BRAIN WAVES FADE...
...BUT THIS PARTICULAR SWALLOW IS STILL AWAKE AND CONSCIOUS.
YES, THIS STONE STATUE IS STILL ALIVE!


SO...THINGS HIT BY THIS NEW WEAPON...
FLIK
...STAND A CHANCE OF SURVIVING...
...IF THEY FORCE THEMSELVES TO STAY AWAKE?
CHATTR
CHATTR
MISS LUNA! SEEING AS IT'S ALMOST YOUR BIRTHDAY...
...I GOT YOU THIS PLATINUM RING AS A PRESENT!
KAHHH! YOU THINK YOU'RE HOT STUFF, CARLOS, YOU FLIRT!!
...
WHAT'S THAT...



HUMMMMMMM
...LIGHT?
MUST BE...
TAKE COVER!!
GET BEHIND SOME-THING!!
THERE'S PROBABLY NO DODGING THE PETRIFYING LIGHT, BUT...
...THE REAL BATTLE BEGINS AFTER-WARD!
DON'T LET YOUR MINDS FADE!!



!
KLAK
KLAK
WE'LL GIVE OUR LIVES TO PROTECT MISS LUNA! RIGHT, CARLOS?
NO DOUBT!
CRAP! I'M STILL HOLDING ON TO THIS RING.
Doesn't fit me neither
BUT IT'S MISS LUNA'S! CAN'T TOSS IT, AND IT MIGHT FALL OUTTA MY POCKET, SO...
SKWEEEZ
SORRY! I'LL GIVE IT A GOOD WASH LATER!!
GWAH
HUMMMMMMM
DAMMIT, COMMANDER STANLEY ORDERED US ...
...TO STAY CON-SCIOUS...
NOOO ...
CAN'T HOLD ON...


SCREW THIS!!
SO, NO SLEEPING! NO NAPPING! NO SNOOZING!!
I'M LUNA, THE SMOOTHEST OPERATOR! I'M LUNA, THE CAPABLE GAL!!
THAT SOLDIER GUY WAS SCREAMING ABOUT...
...NOT LETTING OUR MINDS FADE.
DYING WHILE STILL SINGLE? NO THANK YOU!
I WAS GONNA DATE A REAL COOL DUDE...
I'M A CAPABLE GAL!
...AND WE WOULD'VE BEEN THE HOTTEST COUPLE AROUND!
MISS LUNA, I WON'T...
...LET YOU DIE SINGLE!!
I'M LUNA, THE SMOOTHEST OPERATOR!
I'M LUNA, THE CAPABLE GAL!!
I'M...
NO SLEEPING OR MOVING FOR HOURS ON END?
SHOULD BE NO PROBLEM THANKS TO ALL MY SNIPER EXPERIENCE.






WE WERE IN PINNACLES NATIONAL PARK WHEN IT HAPPENED.
THE PARK IS FULL OF SALTPETER CAVES.
WHICH MEANS THERE'S NITRIC ACID...
I CAN'T BE SURE WHETHER IT WILL HURT OR HELP, BUT WE CAN AT LEAST EXPECT A NON-ZERO EFFECT.
9,157,661,240 SECONDS.
3
4
5
ISN'T IT ODD THAT WE BROKE FREE AT NEARLY THE SAME TIME? 3,700 YEARS LATER, SEPARATED BY ONLY SIX MONTHS?
THAT BLOCKHEAD OF YOURS IS SLOWING DOWN YOUR REVIVAL.
NOT ENOUGH BRAIN ACTIVITY IN THERE.
THE TWO OF THEM KEPT THEIR BRAINS AS ACTIVE AS POSSIBLE.
YES, SENKU AND XENO...
...CONSUMED EQUAL AMOUNTS OF ENERGY...
...AND BROKE OUT OF THE STONE ON THE SAME DAY.
IF I CAN REVIVE MYSELF, I SHOULD DO SO DURING THE SEASON...
...WHEN I CAN PRODUCE FODDER FOR LIVESTOCK AND ALCOHOL FOR FUEL. BOTH CAN COME FROM...
...YELLOW DENT CORN.
THE CORN BELT OF THE WEST COAST IS LIMITED TO A SINGLE REGION
MOST CORN WILL BE INFERIOR HYBRIDS AT THIS POINT...
...BUT IF I'M LUCKY, SOME DECENT KERNELS MAY BE LYING DORMANT IN THE EARTH.


OTHER SCIENTISTS WILL ALSO REALIZE...
...THE NECESSITY OF CORN
THEY'LL BE DRAWN TO IT.
IT WAS NEITHER FATE NOR COINCIDENCE...
RATHER, THE REPRODUCIBLE NATURE OF SCIENCE...
...THAT DREW THEM INEXORABLY TOGETHER.
PLIP


KRAK KRAK KRAK
THIS IS WHY, MILLENNIA LATER...
...THESE TWO SCIENTISTS WOULD MEET...
KRAK
KRAK
KRAK
KRAK
...AT THE SAME TIME...
...IN THE SAME PLACE.

**Xeno's Science Kingdom**

# KNIGHT FILE 1

## Dr. Xeno



| | |
|---|---|
| Science Power | ★★★★★ |
| Linguistic Abilities | ★★★★★ |
| Ambition | ★★★★★ |

- **Full Name:** Xeno Houston Wingfield
- **Height:** 180 cm
- **Post:** Supreme Leader
- **Profession:** Scientist

A scientific genius from childhood, Xeno built his own rail gun at the age of ten. He became acquainted with Stanley (who was a remarkable marksman even as a child), and the two experimented together to improve weapon designs. The experiments evolved beyond the scope of mere play, which likely would have led to Xeno's arrest within a few years, but... At one point, he decided to mentor a perfect stranger—a science-minded schoolkid in Japan. Perhaps Xeno went out of his way to help because the boy reminded him of his own younger self.


Z=158: Who's the Scientist?


SPLASH
HMPH! SO...
SPLASH
...SENKU, YOU AND XENO...
...USED TO BE SCIENCE MENTEE AND MENTOR.
AND YOU BOTH WOKE UP AT THE SAME TIME...
...AND SET YOUR SIGHTS ON NITRIC ACID.
E=MC²
ONE...
...IS USING SCIENCE TO CREATE TOOLS THAT HELP PEOPLE.
THE OTHER...
...IS USING SCIENCE TO CREATE TOOLS THAT KILL.
THAT'S...
WHOOOSH
...THE LONG AND SHORT OF IT.



BWA HA HA! SO...THE ELITE TEAM OF SUPERHEROES WAS STANDING BY IN SILENCE!
OBEYING THE COMMAND TO STAY AWAKE ALL THIS TIME!
AND NOW, LOOK AT HOW MANY OF US...
...HAVE SURVIVED!
NO REST FOR THE WEARY, HUH?!
THERE MAY BE A SLIGHT TIME LAG FOR SOME...
...BUT I SUSPECT THEY'LL REVIVE AT ANY MOMENT.
THE EVENT STAFF WHO WERE THERE THAT DAY...
...PROBABLY HEARD STAN'S ORDERS TOO.
THAT WOULDA BEEN THEIR ONE CHANCE TO STAY AWAKE.
NAW, I DOUBT THESE ORDINARY FOLKS COULD'VE—
KRK
KRAK KRAK
!!!!
PTOOO!
IT'S...
...A RING...
BAH HA HA! AMAZING HOW IT STAYED PRESERVED LIKE THAT!
WE WERE STATUES MADE OUTTA SOME MYSTERY MINERAL...
...SO THAT GUY'S MOUTH ACTED LIKE A TIME CAPSULE FOR A FEW MILLENNIA.
THIS IS...


PLATINUM!
FAN-TASTIC.
TRULY ELEGANT!!
ONE COULD IMAGINE THAT IN THIS STONE WORLD...
...IF THE WORLD MMA CHAMPION HAD SOMEHOW REVIVED...
...THE PLANET WOULD BE HIS FOR THE TAKING.
BUT WITH THIS BIT OF PLATINUM...


WE CAN START PRODUCING NITRIC ACID ON A MASSIVE SCALE...
...AND TAKE THE INITIATIVE WITH SCIENCE AND MILITARY MIGHT.


YES, NONE CAN THREATEN US NOW.
WITH MY SCIENCE...
...AND MY CHILDHOOD FRIEND STANLEY'S...
...PROFICIENCY WITH FIREARMS...
...I SHALL LEAD THIS NEW WORLD...
...AS ITS UNQUESTIONED RULER.
I BELIEVE WE CAN DO IT.
ISN'T THAT RIGHT, STAN?!
YEAH.
WE CAN.


WHOOSH
WHOOSH
mc²
WHAT THE HECK'RE THEY TALKING ABOUT OVER THERE?
WHATEVER THE CASE MAY BE, I'LL SNIFF IT OUT.
JUST GOTTA GET CLOSE, ALL CASUAL-LIKE.
YOU'RE TELLING ME THE PRO WHO HELPED US MAKE ROCKETS...
...IS THE BIG BOSS OF THESE BAD GUYS?!
TAIJU
THERE'S ALMOST SOMETHING KINDA SEXY...
...ABOUT THAT ONE SENKU GUY.
IS DR. XENO A FORMER NASA SCIENTIST?
A FRIEND OF XENO'S, MAYBE...?
JAJOOM
CUZ I'M LUNA, THE SMOOTHEST OPERATOR ...
E=mc²
?!!


HE'S HERE! ON THE DECK! THIS IS IT!!
TIME FOR DR. TAIJU TO SAY BUH-BYE!!
TMP
ALL I HAVE TO DO...
...IS POINT TO MY RIGHT SIDE.
THEN STANLEY WILL SHOOT THIS GUY...
...AND VICTORY IS OURS!
I-I-I MEAN, R-RIGHT? THAT WAS THE WHOLE POINT OF THIS.
I'M LUNA, THE CAPABLE GAL!



WE OUGHTA BE GRATEFUL TO LUNA...
...FOR THIS KILLER BIT OF INFO.
CUZ...
...IF DOC XENO IS OUR ENEMY...
...THEN THE MEDUSA ...
...COULD BE OUR ACE IN THE HOLE.
?!!
C-C-CAN WE USE IT AGAIN?!
NAH, BATTERY'S DEAD, AS YOU ALL KNOW.
THEN HOW'S IT GONNA HELP?
MORE THAN ANYONE, DOC XENO KNOWS HOW STRONG SCIENTIFIC WEAPONS CAN BE.
AND HE'S THE TYPE TO TAKE OVER THIS NEW WORLD WITH 'EM.
THE MEDUSA IS A PIECE OF SUPER SCIENCE, SO THERE'S NO WAY HE CAN IGNORE IT.
HA HA! SO IT DOESN'T MATTER THAT WE CAN'T USE IT OURSELVES.
BECAUSE THIS ENEMY IS A TALENTED SCIENCE-USER...
...WE CAN MAKE OUT THE MEDUSA TO BE SOME ULTIMATE, INVINCIBLE WEAPON!
C'MON!
JUST POINT!
NOW!
POINT AT DR. TAIJU!


JUST GOTTA MOVE THIS FINGER. SO SIMPLE! THEN IT'S ALL OVER!
KEEP CALM! PLAY IT SMOOTH!!
BADUM
BADUM
BADUM
BADUM
LET'S GET YOU SOME FIRST AID BELOW DECK!!
BADUM
BADUM



I CAN'T.
FWSH
...
UGH, WHAT'S MY DEAL...?
I'M THE SMOOTHEST OPERATOR.
I'M THE CAPABLE GAL, AND YET...
FINE! IF NOTHING ELSE, I GOTTA GET A MESSAGE ACROSS.
BWAM


POSSIBLE FRIEND OF XENO'S!
BWAH
GUY NAMED SENKU.
BWAH
!
MISS LUNA'S SAYING SOMETHING.
SEN
KU
...?

SENKU!
I WAS ABOUT TO SEND OUT THE TIMED BROADCAST, BUT WHEN I WENT TO TINKER WITH THE EQUIPMENT...
...IT STARTED MAKING NOISES LIKE "PEEE-GAAA."
PEEE GAAA
PEEE GAAA
PEEE GAAA
IT'S SCRAMBLED.
A MESSAGE SENT VIA AN ACTUAL ENCRYPTION DEVICE.
E=mc²


HRM... PASSING SECRETS TO EACH OTHER? NO FAIR!
MUST BE XENO AND HIS PEOPLE!
ENCRYPTION? CAN'T WE CRACK THE CODE?
NOT WITHOUT A SPECTRAL ANALYZER.
OBVIOUSLY I'VE GOT NO CLUE WHAT THAT IS...
...BUT IT SOUNDS KINDA IMPOSSIBLE...
WAIT!
THE MESSAGE ITSELF DOESN'T MATTER.
POINT IS, IT STARTED RIGHT AFTER I SAW LUNA SNEAK OVER THERE, SO...
THE ENEMY...
...IS LURKING NEARBY!


OKAY...
LOOKS LIKE YOU'RE...
...DR. TAIJU!
SKWEEZ


DON'T SHOOT, STAN!


DR. TAIJU...
...IS A DECOY.
THE ENEMY'S TRUE LEADER...
...IS...
...A SCIENTIST BY THE NAME OF...


SENKU.


SENKU...
...ISHIGAMI.


WE'VE GOT A SNIPER!!
A SNIPER!!

Xeno's Science Kingdom

# KNIGHT FILE 2

## Stanley



| | |
|---|---|
| Marksmanship | ★★★★★ |
| Physical Abilities | ★★★★★ |
| Persistence | ★★★★★ |

- Full Name: Stanley Snyder
- Height: 180 cm
- Profession: Sniper
- Post: Commander in Chief

When in high school, Stanley was asked if he could throw a football outside the stadium? His reply: "I can."

Bets were placed, and the event became known as the "Incident of the Incredible Rocket Ball." Xeno was the only one who won the bet, and he used his massive winnings to fund his research.

Xeno had actually calculated and simulated the trajectory of the ball beforehand, though Stanley boasts that he pulled off the stunt through pure intuition.

However, since Stanley had been witnessing Xeno's complex simulations since childhood, those experiments likely influenced and helped develop what he calls his "intuition."


THE ENEMY LEADER...
THAT CONNIVING SCIENTIST ...
SO... WHICH ONE'S...
...DR. SENKU— THE REAL TARGET?
...ISN'T TAIJU.
IT'S SENKU!!


Z=159: LOCK ON



ALL THOSE THOUSANDS OF YEARS AGO, THE BOY WITH WHOM...
...I DISCUSSED ROCKETRY FOR AS MANY HOURS AS THERE ARE STARS IN THE SKY...
THE PERSONALITY THAT CAME ACROSS THROUGH HIS WRITING...
THAT OTHER ONE WE HEARD OVER THE RADIO...
...SHOWED JUDGMENT BEFITTING A SCIENTIST.
BAM!
I MADE SURE TO RECORD ALL TRANS-MISSIONS...
...AND THIS ONE CONTAINS SENKU'S VOICE!!
GOT IT!
NOT ANOTHER WORD!
WHRRR
FSSSHH
KACHAK


C'MON, IT'S NOT LIKE I CAN HEAR THEIR VOICES FROM HERE.
NO NEED, STAN.
WITH JUST HIS VOICE...
...I CAN ESTIMATE HIS HEIGHT.
DO
OM


GIVEN THE SCOPE OF THE SMOOTHING FUNCTION'S DOMAIN...
...I CAN CALCULATE VOCAL TRACT LENGTH.
TAKING INTO ACCOUNT AVERAGE BODY PROPORTIONS...
...HE'S ABOUT FIVE FOOT SEVEN.
WITH A MARGIN OF ERROR OF ONE OR TWO INCHES.
SINCE THE FIRST AND LAST TIME WE MET...
...HE MAY HAVE GROWN, BUT HE HASN'T SHRUNK.
MEANING...
FIVE FOOT SEVEN OR EIGHT.
NINETEEN.
MALE.
OKAY, THAT'S ALL I NEED.


WITH LUNA AS MY HANDY YARDSTICK...
...IT'S A CINCH TO TELL HOW TALL THEY ALL ARE.
THREE OF THEM...
...FIT THE PARAMETERS.
A SNIPER!
WE'VE GOT A SNIPER!
DOOOM
HIDE!
FIND SOME COVER!!
WAUUUH


WAHHHHH
THEY FIGURED IT OUT?!
WHAAAT?
GLANCE
WAIT, NO...
DO LOOK THIS WAY!!
IDIOT! DON'T LOOK THIS WAY!
YOU'LL GIVE AWAY...
...MY POSITION.



IN THE MIDST OF CHAOS...
...THE FACT THEY'RE AMATEURS WORKS TO MY BENEFIT.
THEIR SHARP-MINDED SCIENCE LEADER...
...IS ONE OF THESE THREE.
AND THIS WILL...
...SMOKE HIM OUT!!


HELLO...
...SENKU ISHIGAMI.
!!


BUT ACTUALLY, THAT TELLS ME...
...RIGHT WHERE YOU ARE.
HE'S USING GEOMETRIC PRINCIPLES TO FIND THE OPTIMAL POINT...
...TO ESCAPE FROM MY LINE OF SIGHT.
NOT BAD, KID.
XENO.
LAST CHANCE, SO I GOTTA ASK...
YOU SURE...
...YOU WANT HIM DEAD?


MY SCIENCE...
...WILL ALLOW ME TO RULE THE WORLD.
IF WE WERE TO TEAM UP...
...OUR DOMINANCE WOULD BE DOUBLY ASSURED.
BUT THAT IS A FUTURE SENKU...
...WOULD NEVER ACCEPT.


YES.
DO IT.




KLATTR
POTATO STARCH?
OR THE KUDZU POWDER FOR THE SOFT SERVE?
DOESN'T MATTER WHICH...
SPLOOSH
A DILATANT FLUID.
WHEN A SUBSTANCE SUCH AS POTATO STARCH MIXES WITH WATER...

...THE RESULT IS FUNDAMENTALLY LIQUID, BUT WHEN INTENSE STRESS IS APPLIED...
...VISCOSITY INCREASES TO THE POINT THAT IT BECOMES NEARLY SOLID.
THE CONCEPT HAS BEEN RESEARCHED FOR BULLETPROOF VESTS...
...THOUGH SUCH DESIGNS WERE NEVER PUT INTO PRACTICE.
G LOOp
KRK
K RK


FWOOOM!




BANG!


A GUN-SHOT?!
AND IT'S COMING RIGHT AT US.
NO!
BULLETS MOVE FASTER THAN SOUND!
IT'S ALREADY HIT!
IT'S OVER.
SEN...
SENKU!!


Z=160: Torch of Science


TOMP
THE ENEMY SCIENCE LEADER IS DEAD.
JOB'S DONE.
YOU TWO HANG BACK AND KEEP WATCH.
BUT...
WHAT ABOUT MISS LUNA?!
LEAVE HER, HELP HER—YOUR CHOICE.
NOT MY PROBLEM.
KAHHH! DAMMIT...
MISS LUNA!
TMP TMP TMP TMP TMP
TMP TMP TMP TMP
W-W-W-WHA...
WHAT DO I DO NOW?


NOOOO!
THEY...
THEY KILLED SENKU!!
KEEP IT TOGETHER, EVERYONE!
BAM
THEY'RE THINKING, "WITH SENKU THE SCIENCE LEADER GONE..."
"...THOSE KIDS CAN NEVER HOPE TO MATCH US IN BATTLE."
BA
"NOW WE'LL SLOWLY SQUEEZE THE FIGHT OUTTA THEM..."
"...UNTIL THEY SURRENDER."
BAM


NOW IS OUR CHANCE TO STRIKE BACK...
...WHILE THE ENEMY IS OVER-CONFIDENT! AM I WRONG?!
SURE, YOU AIN'T WRONG...
IT MIGHT BE OUR CHANCE, BUT...
...HOW WE CAN JUST... MOVE ON FROM THIS...?
IF NOTHING ELSE, WE GOTTA...
...DIG A GRAVE FOR SENKU.
HA HA! DON'T BURY HIM JUST YET!


HEH HEH HEH... I AIN'T DEAD YET, DUMMIES.
MUMBL
THE FRAGMENTS PASSED RIGHT THROUGH ME, NICE AND CLEAN.
MUMBL
"...NICE AND CLEAN," SAYS MASTER SENKU.
!!!
AHHH! DON'T FORCE YOURSELF TO TALK, BUDDY! YOU NEED TO REST!!
YESSS! HE'S ALIV—
MMRGH
FORGIVE ME, MY LORD!
SHOUTING LOUD ENOUGH FOR THE ENEMY TO HEAR ISN'T WISE.


SO THIS SLOWED THE BULLET DOWN?
THIS BAG AND SOME WATER?!
OHO HO! WELL ISN'T THAT SOMETHING!
A HEADSHOT WOULD'VE MEANT TEN BILLION PERCENT INSTANT DEATH.
FOR ALL THEY KNOW, I WAS THE ONLY ONE WITH THE REVIVAL FLUID RECIPE MEMORIZED...
...SO THEY PROBABLY WANTED TO GIVE ME A CHANCE TO SPILL THE SECRET ON MY DEATHBED.
S'HOW I KNEW THEY'D AIM FOR THE CHEST.
DIDN'T I TELL YOU TO STOP TALKING?!
"...AIM FOR THE CHEST," HE SAID. AND NOW, IN ENGLISH.
<A HEADSHOT WOULD HAVE RESULTED IN INSTANT DEATH.>
REAL-TIME TRANSLATION! THAT'S NUTS!!
AMAZING.
TO KEEP HIS WITS ABOUT HIM LIKE THAT...


NGH...
AHH! HE'S OUT COLD!
HIS WOUNDS MUST BE PRETTY NASTY!!
I'VE ADMINIS-TERED BASIC FIRST AID...
...BUT ANYTHING FURTHER REQUIRES A TRAINED MEDICAL PRO-FESSIONAL...
HM...
I BARELY REMEMBER THIS STUFF, BUT...
...IN THE MIDDLE OF A CRISIS...



THAT'S ONE WAY I LEARNED TO DO THIS...
BLOOD PRESSURE'S DROPPING...
IF THE PULSE STOPS FROM A LIGHT SQUEEZE, THAT MEANS...
LOW BLOOD PRESSURE
IF IT TAKES A TIGHT GRIP TO MAKE THE PULSE STOP, THAT MEANS...
HIGH BLOOD PRESSURE
SQUEEZE THE UPPER ARM LIKE SO, AND...
...THE PULSE IN THE WRIST GOES AWAY.
LUNA, ARE YOU...
...A DOCTOR?!
WHO, ME? NO WAY!
OBVIOUSLY NOT! I'M JUST A KID!!
GRAB!
BUT, SEE, I ONLY GOT INTO SCHOOL CUZ OF MY DAD'S CONNECTIONS.
I WORKED MY BUTT OFF IN CLASS SO NOBODY COULD SAY ANYTHING ABOUT THAT!!
NOT THAT I UNDERSTOOD A THING...
I WAS THE ONLY ONE WHO FAILED AND HAD TO REPEAT A YEAR.
I'LL BECOME A CAPABLE GAL...
...AND FIND A HAPPENING, BRAINY DUDE TO BE MY BF!
...
I'M JUST...
...A MEDICAL ...
... STUDENT.


WE HAVE NO ONE ELSE.
PLEASE.
PLEASE, LUNA.
SENKU...
OUR GOOD BUDDY SENKU...
YOU GOTTA...
...SAVE HIM!!


CRAP. NO MATTER HOW WE SNEAK OVER THERE...
...THEY'RE BOUND TO SEE US COMING.
THEY'LL RAIN ARROWS DOWN ON US.
ARROWS I MIGHT BE ABLE TO HANDLE...
...BUT THE MACHINE-GUN CROSSFIRE WOULD KILL US ON THE SPOT.
DANG, THAT'S RIGHT—WE'RE DEALING WITH ANOTHER SCIENCE KINGDOM HERE!


OHHHH!!
HAH! WE'VE RECEIVED SOME TOP-NOTCH REINFORCE-MENTS!!
ZABAM
GEN'S TRAIL OF FLOWERS LED US RIGHT HERE!!
I MIGHT SUGGEST SNEAKING THROUGH THE CORNFIELDS AT NIGHT...
BUT, HM... WE'LL STILL BE TOO EXPOSED. WOULDN'T WORK.
USING THE LAKE WOULD GET US CLOSE, BUT THERE'S TOO LITTLE COVER.
ONCE WE'VE INFILTRATED THE ENEMY FORTRESS...
...WE SHOULD HAVE THE ADVANTAGE IN CLOSE COMBAT, BUT...
THE PROBLEM THEN IS THAT WE HAVE TO GRAB...
...THE ENEMY BOSS—DR. XENO—AND MAKE OUR WAY OUT.
WE'LL HAVE TO DIG.
INDEED.
DIG?
MM-HM.
THAT'S RIGHT...


ZRRZRR ZRR
A REVERSE GREAT ESCAPE!
WE'RE DIGGING...
...A SUBTERRANEAN TUNNEL...
...RIGHT INTO THE HEART OF THE ENEMY!!
RMMMBL


B-BAAAAD!
THAT...
...SOUNDS LIKE A LOT OF WORK!
WE'LL HAVE TO ASK SENKU...
...FOR A PLETHORA OF SCIENCE ITEMS FOR THIS EXCAVATION JOB.
HECK YEAH!
SPEAKING OF...
INCOMING, FROM THE PERSEUS.
43
32
33...
??
WHAT ARE THESE STRANGE NUMBERS?
IS RYUSUI MESSING AROUND?
IT'S THE UESUGI CIPHER.
KENSHIN UESUGI'S CODE SYSTEM...
...IS A REMARKABLY SIMPLE CONCEPT.
EACH PAIR OF NUMBERS POINTS TO AN ELEMENT OF THE JAPANESE SYLLABARY.
THIS DR. XENO MAY KNOW HIS STUFF...
...BUT I CAN'T IMAGINE A NON-JAPANESE KNOWING THE IROHA POEM SEQUENCE.




*THE NUMBERS 43, 32, 33 ARE CODE FOR "U-TA-RE." *UTARE* MEANS "SHOT" IN JAPANESE.

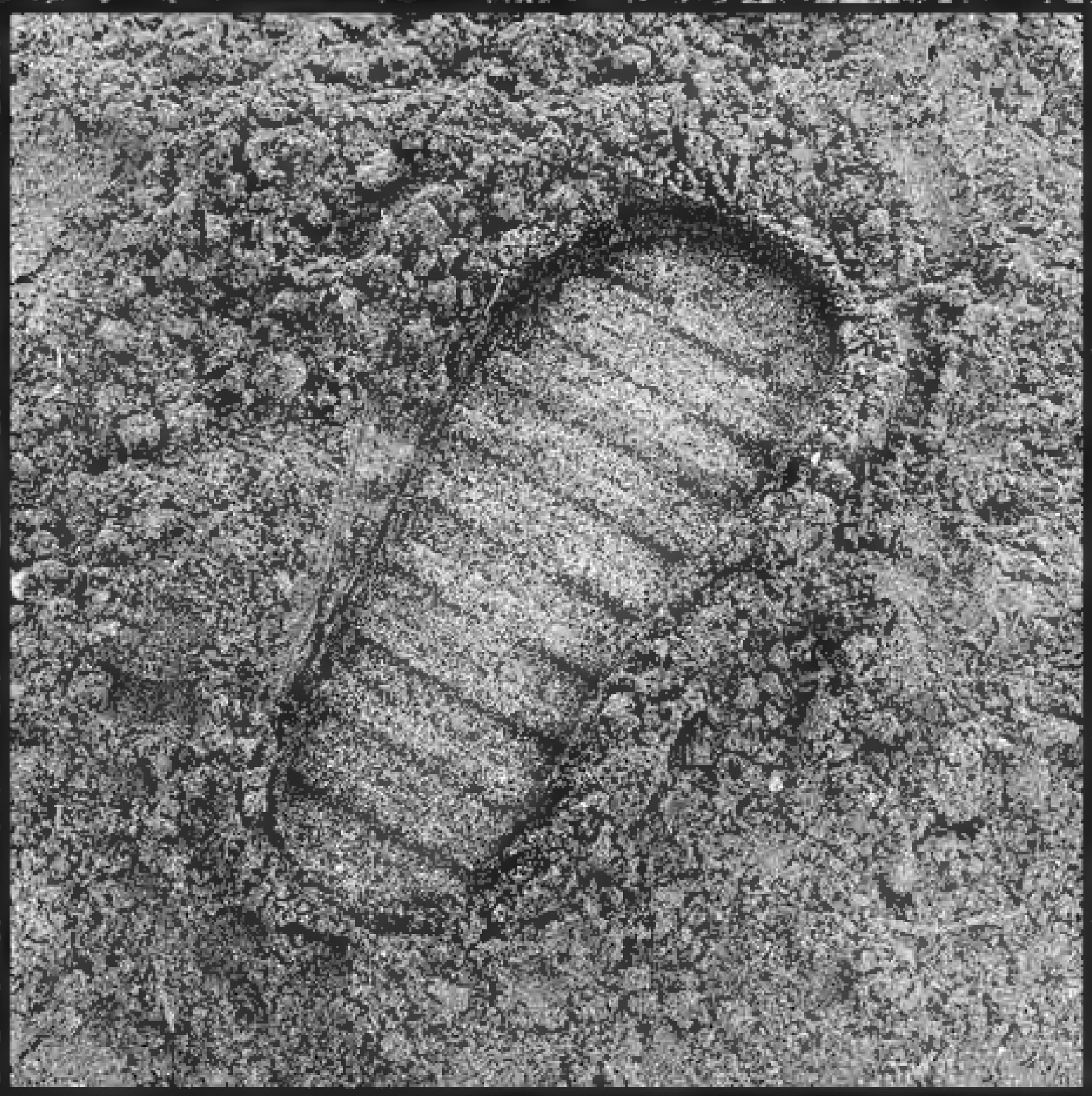



"KU-RO-MU. CHROME."
I'M NOT A SORCERER ANYMORE.
WHAT'RE WE GONNA MAKE NEXT WITH SCIENCE?!
IT'S CALCITE!



WHATEVER CRAZY SITUATION HUMANITY FINDS ITSELF IN...
...SCIENTISTS ARE TEN BILLION PERCENT SURE TO POP UP!!
THERE WILL ALWAYS BE PEOPLE GREEDY ENOUGH TO WANNA KNOW EVERY LAST DETAIL ABOUT HOW THE WORLD WORKS.
YOU GOTTA REALIZE IT, DR. CHROME.
THE SCIENTIST NOW...
...IS YOU.





## BOICHI

Manga, graphic novels, comics, cartoons...

We're all one big family, cut from the same cloth, and despite any minor differences, these things are something we all share. Something we're meant to share.

And yet, it seems to me that so much effort has been dedicated to subdivisions. Why not put that time and energy toward something else instead?

We ought to come together to enjoy everything that emerges from the realm of the comic arts, and maybe the industry needs a single umbrella term. A word to describe what we all do. Personally, the word I use is "toon."

But you're free to pick your own term, of course.

A single term would be proof that we're united and ready to take a step toward the future world.

These are the thoughts I had while staring at the footprints left by a pair of slippers that took me some great pains over a half day to obtain.




## RIICHIRO INAGAKI

I received these sandals from Boichi Sensei! The treads on the bottom leave behind the exact footprints made by the first human on the moon.

Thank you!

And the quote inscribed on the sandals is what was said in that moment.

Working on a weekly series is tough, but all these little steps combine into one giant leap.

Pretty slick how I tied it all together like that, huh?

**Boichi** is a Korean-born artist currently living and working in Japan. His previous works include *Sun-Ken Rock* and *Terra Formars Asimov*.

**Riichiro Inagaki** is a Japanese manga writer from Tokyo. He is the writer for the sports manga series *Eyeshield 21*, which was serialized in *Weekly Shonen Jump*.

# Dr. STONE

# 18

**SHONEN JUMP Manga Edition**


Story **RIICHIRO INAGAKI**
Art **BOICHI**



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Translation/**CALEB COOK**
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Design/**JULIAN [JR] ROBINSON**
Editor/**JOHN BAE**


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